



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RF TRANSFORMER

For Wideband RF Applications



- RoHS peak reflow temperature rating: 245°C
- For single-ended to balanced applications
- Value-oriented construction
- Small surface mount package
- Excellent insertion loss
- Various impedance ratios available

Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

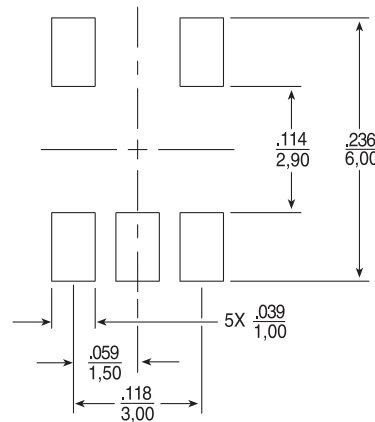
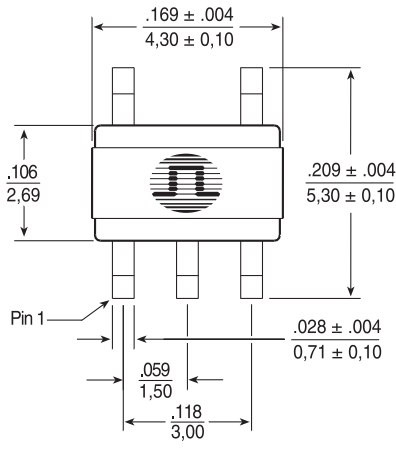
Part Number ⁴	Impedance Ratio ¹ Pri:Sec (±2%)	Turns Ratio ¹ Pri:Sec (±2%)	Bandwidth ^{2,3} (MHz TYP)	Insertion Loss @ Midband (dB)	Schematic
CX2078NL	1:1	1:1	5-500	0.6	A
CX2081NL	1:1.5CT	1:1.2CT	5-125	0.9	B
CX2156NL	1:1	1:1	2.3 - 2700	0.2	A

- Impedance** and turns ratios are specified primary:secondary. (CT=Center Tap).
- Bandwidth** is referenced to midband loss.
- These transformers** are verified to operate from -40°C to +85°C. Contact Applications Engineering for performance data.
- Optional Tape & Reel** packaging can be ordered by adding a "T" suffix to the part number (ex: CX2078NLT).

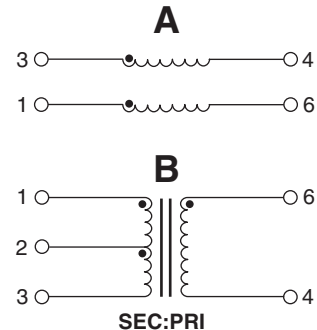
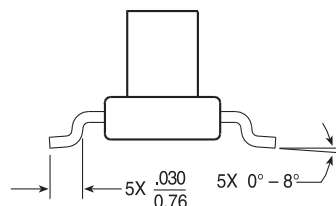
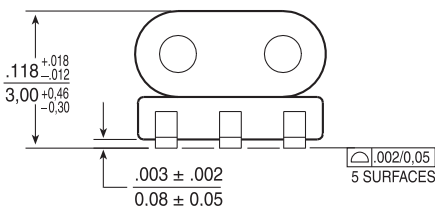
Mechanical

Schematic

CX2078NL, CX2081NL, CX2156NL



SUGGESTED PAD LAYOUT



Weight 0.43 grams
 Tape & Reel 2200 /reel
 Tray 100 /tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{0.25}$

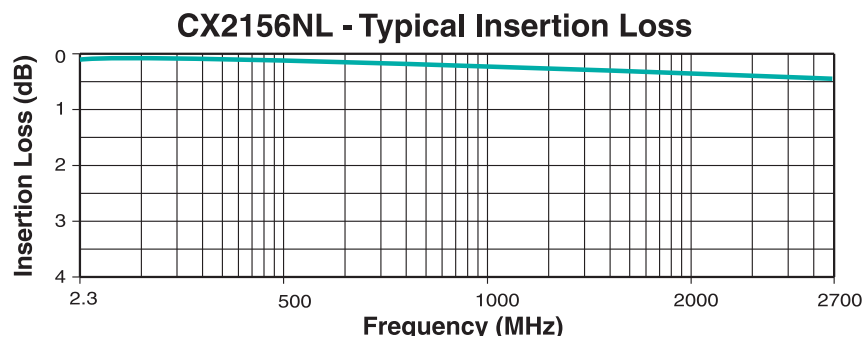
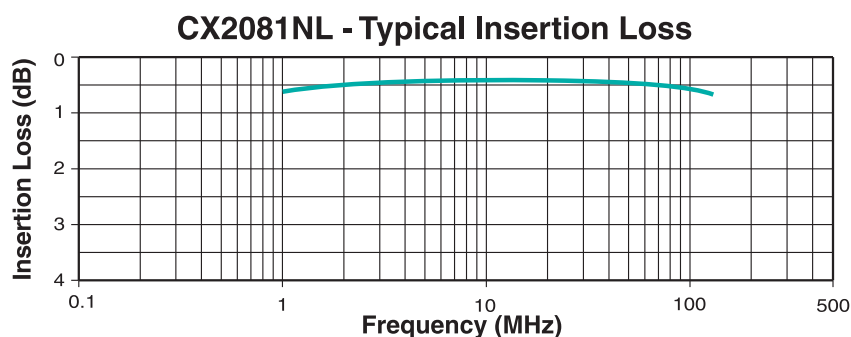
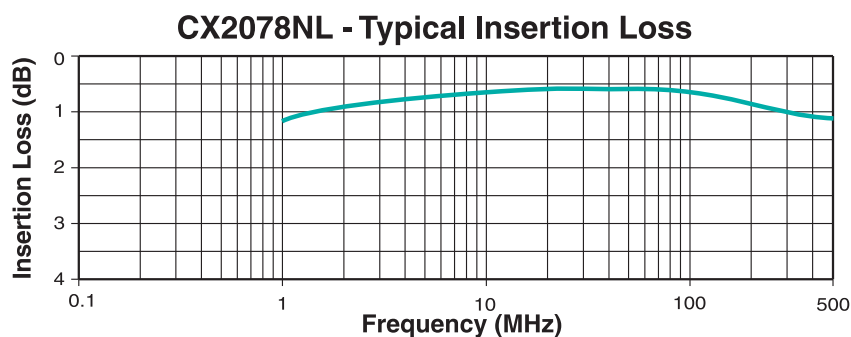
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Application Notes

- A. Bandwidth specifications are typical in a 75 Ω system.
- B. Materials used in the products are UL94-V0 recognized. Products meet requirements of IEC 695-2-2 (Needle Flame Test).
- C. For additional impedance ratios and frequency ranges, please contact Applications Engineering.



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